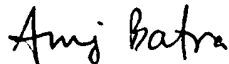

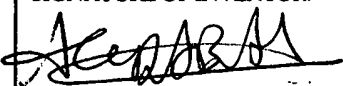


TI Docket No
TI-35949

APPLICATION FOR UNITED STATES PATENT
DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, section 1.56;

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

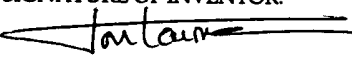
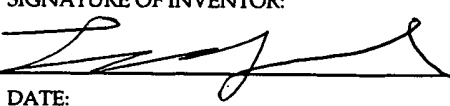
TITLE OF INVENTION: Time-Frequency Interleaved Orthogonal Frequency Division Multiplexing Ultra Wide Band Physical Layer		
POWER OF ATTORNEY: I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH Practitioners at Customer No. 23494		
SEND CORRESPONDENCE TO: Ronald O. Neerings Texas Instruments Incorporated P.O. Box 655474 MS 3999 Dallas, TX 75265 Reg. No. 34,227		DIRECT TELEPHONE CALLS TO: Ronald O. Neerings (972) 917-5299 (972) 917-4418 Fax
NAME OF INVENTOR: (1) Anuj Batra	NAME OF INVENTOR: (2) Jaiganesh Balakrishnan	NAME OF INVENTOR: (3) Anand G. Dabak
RESIDENCE & POST OFFICE ADDRESS: 8729 Southwestern Blvd. #1504 Dallas, TX 75206	RESIDENCE & POST OFFICE ADDRESS: 9000 Vantage Point Apt. 504 Dallas, TX 75243	RESIDENCE & POST OFFICE ADDRESS: 8625 Kendall Drive Plano, TX 75025
COUNTRY OF CITIZENSHIP: United States of America	COUNTRY OF CITIZENSHIP: India	COUNTRY OF CITIZENSHIP: United States of America
SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR: 
DATE: September 10, 2003	DATE: September 10, 2003	DATE: September 10, 2003

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NAME OF INVENTOR: (1) Ranjit Guarpurey	NAME OF INVENTOR: (2) Paul H. Fontaine	NAME OF INVENTOR: (3) Heng-Chih Lin
RESIDENCE & POST OFFICE ADDRESS: 3101 Austin Drive Plano, TX 75025	RESIDENCE & POST OFFICE ADDRESS: 408 W. Arapaho Rd. Richardson, TX 75080	RESIDENCE & POST OFFICE ADDRESS: 8412 Halkin Dr. Plano, TX 75024
COUNTRY OF CITIZENSHIP: India	COUNTRY OF CITIZENSHIP: France	COUNTRY OF CITIZENSHIP: Taiwan
SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR: 
DATE:	DATE: 09 / 10 / 2003	DATE: 9 / 10 / 2003

TI Docket No
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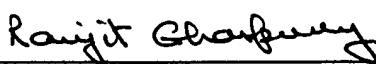
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COUNTRY OF CITIZENSHIP: India	COUNTRY OF CITIZENSHIP: France	COUNTRY OF CITIZENSHIP: Taiwan
SIGNATURE OF INVENTOR: 	SIGNATURE OF INVENTOR:	SIGNATURE OF INVENTOR:
DATE: Oct. 13, 2003	DATE:	DATE: